

**Precise Control of RF Effects
Abstract for 1997 HPM Conference**

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From the early days of HPM experiments, a tool was needed to quickly determine the optimal frequency to create an effect. The desire for feedback was another capability needed. Feedback would allow the power level to be precisely determined and it would quickly give the experimenter assessment data.

Since 1993, engineers at LLNL have been developing a technique that allows precise control of RF effects. It provides in real-time both optimization and feedback data.

The technique and limitations will be explained in a classified presentation.

* Work performed under the auspices of the U.S. Department of Energy by the Lawrence Livermore National Laboratory under Contract W-7405-Eng-48.